

25. (Amended) The substrate of claim 24, further comprising: (d) a second self-assembled monolayer of a second molecular moiety bound to the surface in the second regions.

Also add claims 30-39 as indicated in Appendix D. The new claims are reproduced below:

30. The substrate of claim 24, wherein a molecular moiety -A-B is bound to the surface within the second regions, wherein A is a linking group and B is an inert molecular segment.

31. The substrate of claim 30, wherein the molecular moiety -A-B forms a second self-assembled monolayer.

31. The substrate of claim 30, wherein B is hydrocarbyl of 1 to 20 carbon atoms containing 0 to 6 ether linkages.

32. The substrate of claim 31, wherein B is saturated alkyl containing 1 to 15 carbon atoms and 0 to 4 ether linkages.

33. The substrate of claim 31, wherein the molecular moiety -A-B is provided by reaction of the surface with a reactant having the structure A-B, in which A is selected from the group consisting of -OH, -SH, -NH₂, -CONH₂, -COOH, -SO₃H, -CN, -PO₃H, -SiCl₃, -SiR₂Cl, -SR and -SSR wherein R is alkyl or aryl.

34. The substrate of claim 32, wherein the molecular moiety -A-B is provided by reaction of the surface with a reactant having the structure A-B, in which A is selected from the group consisting of -OH, -SH, -NH₂, -CONH₂, -COOH, -SO₃H, -CN, -PO₃H, -SiCl₃, -SiR₂Cl, -SR and -SSR wherein R is alkyl or aryl.

35. The substrate of claim 24, wherein the first molecular moiety has the structure -A'-L-C wherein A' is a surface binding moiety, L is a linker, and C is a molecular segment terminating in a functional group that in turn binds to said polymer.

36. The substrate of claim 35, wherein:

A' is selected from the group consisting of -OH, -SH, -NH₂, -CONH₂, -COOH, -SO₃H, -CN, -PO₃H, -SiCl₃, -SiR₂Cl, -SR and -SSR wherein R is alkyl or aryl;

L is hydrocarbylene of 1 to 20 carbon atoms containing 0 to 6 ether linkages; and

C is selected from the group consisting of -OH, -NH₂, -COOH, -SO₃H, -CN, alkoxyamine, azo, peroxide, halide and sulfonyl halide.

37. The substrate of claim 36, wherein L is saturated alkylene containing 1 to 15 carbon atoms and 0 to 4 ether linkages.

38. The substrate of claim 24, wherein the second regions have been treated with an etching reagent.

39. The substrate of claim 24, wherein the polymeric overlayer is comprised of a polymer prepared by polymerization of monomers selected from the group consisting of vinyl monomers and cyclic esters.--

For the Examiner's convenience, all claims pending upon entry of this amendment are set forth in Appendix E.

IN THE DRAWINGS:

Please amend Figure 1 to replace "SMA" with --SAM-- as indicated in Appendix F.

Also amend Figure 1 to insert the numeral **24** and corresponding arrow as indicated in Appendix F.

The corrected figure is attached as Appendix G.